Momentus 4200.2 120-Gbyte Family

2.5-inch storage for notebook PCs

The Best of Momentus With 4200-RPM Performance

30, 40, 60, 80, 100 and 120 Gbytes • 4200-RPM Performance • 2.5-Inch Notebook

Key Advantages

- 4200-RPM performance powers common home and office applications with ease.
- Low power consumption lets users work longer.
- Robust design and high shock tolerance enable mobility in rugged notebook operating environments.
- 900 Gs of nonoperating shock makes the drive ideal for notebook PCs and industrial applications.

Best-Fit Applications

- Notebook PCs
- Tablet PCs
- External 2.5-inch drives
- MP3 players
- Printers and copiers

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Seagate Makes the Best Even Better With a 5-Year Warranty

Seagate offers the industry's leading warranty to demonstrate our commitment to product reliability and our customers' success. Every Seagate internal hard drive for PCs, notebook computers and entry-level servers is covered under our unprecedented five-year warranty.

World-Class Technical Support

- Certified, experienced support staff
- Rated "Above Average to Excellent" by 95 percent of our customers
- Support lines with the shortest wait times in the industry
- Individually archived case histories for quick reference
- Web-based Q&A forum and autoreply e-mail
- Seagate Design Service Centers (DSC) help companies transform innovative ideas into viable products.

www.seagate.com
1-800-732-4283
(1-800-SEAGATE)

Specifications	120 GB[1]	100 GB[1]	80 GB[1]	60 GB[1]	40 GB[1]	30 GB[1]
Model Number	ST9120824A	ST9100825A	ST980829A	ST960812A	ST9402112A	ST930218A
Interface (Mbytes/sec)	Ultra ATA/100	Ultra ATA/100	Ultra ATA/100	Ultra ATA/100	Ultra ATA/100	Ultra ATA/100
Performance						
Transfer Rate						
Sustained Internal (Mbytes/sec)	37	37	37	37	37	37
Maximum External (Mbytes/sec)	100	100	100	100	100	100
Cache, Multisegmented (Mbytes)	8	8	8	8	8	8
Average Seek (msec)	12.5	12.5	12.5	12.5	12.5	12.5
Average Latency (msec)	5.6	5.6	5.6	5.6	5.6	5.6
Performance Level[2]	4200	4200	4200	4200	4200	4200
Configuration/Organization						
Discs/Heads	2/4	2/4	2/3	1/2	1/2	1/1
Bytes per Sector	512	512	512	512	512	512
Logical CHS	16,383/16/63	16,383/16/63	16,383/16/63	16,383/16/63	16,383/16/63	16,383/16/63
Recording Method	RLL 0, 11	RLL 0, 11	RLL 0, 11	RLL 0, 11	RLL 0, 11	RLL 0, 11
Reliability/Data integrity						
Head-Rest Method	QuietStep™ Ramp Load	QuietStep Ramp Load	QuietStep Ramp Load	QuietStep Ramp Load	QuietStep Ramp Load	QuietStep Ramp Load
Nonrecoverable Read Errors per Bits Read	1 per 10^{14} bits read	1 per 10^{14} bits read	1 per 10^{14} bits read	1 per 10^{14} bits read	1 per 10^{14} bits read	1 per 10^{14} bits read
Power Management						
Startup Current 5v (amps max)	1.0	1.0	1.0	1.0	1.0	1.0
Power Mgmt (watts) Seek	2.0	2.0	2.0	2.0	2.0	2.0
Read/Write	1.8/1.8	1.8/1.8	1.8/1.8	1.8/1.8	1.8/1.8	1.8/1.8
Idle/Standby	.80/.26	.80/.26	.80/.26	.80/.26	.80/.26	.80/.26
Environmental						
Temperature, Operating (°C)	5 to 55	5 to 55	5 to 55	5 to 55	5 to 55	5 to 55
Temperature, Nonoperating (°C)	−40 to 70	−40 to 70	−40 to 70	−40 to 70	−40 to 70	−40 to 70
Shock, Operating: 2 msec (Gs)	250	250	250	250	250	250
Shock, Nonoperating: 1 msec (Gs)	900	900	900	900	900	900
Acoustics (bels—sound power) Idle	2.4	2.4	2.4	2.4	2.4	2.4
Performance Seek	2.9	2.9	2.9	2.9	2.9	2.9
Physical						
Height (in/mm)	.374/9.5	.374/9.5	.374/9.5	.374/9.5	.374/9.5	.374/9.5
Width (in/mm)	2.75/69.85	2.75/69.85	2.75/69.85	2.75/69.85	2.75/69.85	2.75/69.85
Depth (in/mm)	3.945/100.2	3.945/100.2	3.945/100.2	3.945/100.2	3.945/100.2	3.945/100.2
Weight (lb/g)	.22/100	.22/100	.22/100	.22/100	.22/100	.22/100

[1] Capacity calculated as 1 Gbyte = 10^9 bytes

[2] Actual spin speed is 5400 RPM